

We claim:

1. A method for treating improving blood supply through a graft, the method comprising the step of administering a botulinum toxin to a blood  
5 vessel of a mammal at or in the vicinity of a graft, thereby improving blood supply through the graft.
2. The method of claim 1 wherein the administering step includes the step of injecting the botulinum toxin into a wall of the blood vessel.  
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3. The method of claim 1 wherein the botulinum toxin is selected from the group consisting of botulinum toxin types A, B, C, D, E, F, and G.
4. The method of claim 1 wherein the botulinum toxin is a botulinum  
15 toxin type A.
5. A method for treating improving blood supply to a transplanted tissue, the method comprising the step of administering a botulinum toxin to a blood vessel which supplies a transplanted tissue, thereby dilating the  
20 blood vessel and improving blood supply to the transplanted tissue.
6. The method of claim 5 wherein the administering step includes the step of injecting the botulinum toxin into a wall of the blood vessel.
- 25 7. The method of claim 5 wherein the botulinum toxin is selected from the group consisting of botulinum toxin types A, B, C, D, E, F, and G.
8. The method of claim 5 wherein the botulinum toxin is a botulinum toxin type A.  
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9. A method for treating Raynaud's syndrome, the method comprising the step of administering a botulinum toxin to a tissue afflicted with

Raynaud's syndrome, thereby increasing blood supply in the afflicted tissue and treating Raynaud's syndrome.

10. The method of claim 9 wherein the administering includes the step  
5 of injecting the botulinum toxin into a wall of the blood vessel.

11. The method of claim 9 wherein the botulinum toxin is selected from the group consisting of botulinum toxin types A, B, C, D, E, F and G.

10 12. The method of claim 9 wherein the botulinum toxin is a botulinum toxin type A.